RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: *10/009,013 B*

Source: *PG/10*

Date Processed by STIC: *9/13/04*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
   U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: _10/009,013ß_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____ Wrapped Nucleics   The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
        Wrapped Aminos   was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
prevent "wrapping."

2____ Invalid Line Length   The rules require that a line not exceed 72 characters in length. This includes white spaces.

3____ Misaligned Amino   The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers;
        Numbering   use **space characters**, instead.

4____ Non-ASCII   The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5____ Variable Length   Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6____ PatentIn 2.0   A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
        "bug"   sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7____ Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
        (OLD RULES)   (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
        (i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8____ Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
        (NEW RULES)   <210> sequence id number
<400> sequence id number
000

9____ Use of n's or Xaa's   Use of n's and/or Xaa's have been detected in the Sequence Listing.
        (NEW RULES)   Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10____ Invalid <213>   Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
        Response   scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11____ Use of <220>   Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

FYI →

12____ PatentIn 2.0   Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
        "bug"   resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13____ Misuse of n/Xaa   "n" can only represent a single <u>nucleotide</u>; "Xaa" can only represent a single <u>amino acid</u>

AMC – Biotechnology Systems Branch – 09/09/2003

BEST AVAILABLE COPY

PCT

```
 3 <110> APPLICANT: Skeie, Geir Olve
 5 <120> TITLE OF INVENTION: Detection of Ryanodione Receptor Antibodies
 7 <130> FILE REFERENCE: PCT/NO00/00200
 9 <140> CURRENT APPLICATION NUMBER: US 10/009,013B
```
C--> `10 <141> CURRENT FILING DATE: 2001-12-06`
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12 <160> NUMBER OF SEQ ID NOS: 2
14 <170> SOFTWARE: PatentIn version 3.3
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 374
18 <212> TYPE: PRT
19 <213> ORGANISM: Protein for the detection of ryanodione receptor antibodies
21 <400> SEQUENCE: 1
23 Glu Phe Lys Phe Leu Pro Pro Pro Gly Tyr Ala Pro Cys His Glu Ala
24 1               5                   10                  15
27 Val Leu Pro Arg Glu Arg Leu Arg Leu Glu Pro Ile Lys Glu Tyr Arg
28              20                  25                  30
31 Arg Glu Gly Pro Arg Gly Pro His Leu Val Gly Pro Ser Arg Cys Leu
32          35                  40                  45
35 Ser His Thr Asp Phe Val Pro Cys Pro Val Asp Thr Val Gln Ile Val
36      50                  55                  60
39 Leu Pro Pro His Leu Glu Arg Ile Arg Glu Lys Leu Ala Glu Asn Ile
40 65                  70                  75                  80
43 His Glu Leu Trp Ala Leu Thr Arg Ile Glu Gln Gly Trp Thr Tyr Gly
44              85                  90                  95
47 Pro Val Arg Asp Asp Asn Lys Arg Leu His Pro Cys Leu Val Asn Phe
48              100                 105                 110
51 His Ser Leu Pro Glu Pro Glu Arg Asn Tyr Asn Leu Gln Met Ser Gly
52          115                 120                 125
55 Glu Thr Leu Lys Thr Leu Leu Ala Leu Gly Cys His Val Gly Met Ala
56      130                 135                 140
59 Asp Glu Lys Ala Glu Asp Asn Leu Lys Lys Thr Lys Leu Pro Lys Thr
60 145                 150                 155                 160
63 Tyr Met Met Ser Asn Gly Tyr Lys Pro Ala Pro Leu Asp Leu Ser His
64              165                 170                 175
67 Val Arg Leu Thr Pro Ala Gln Thr Thr Leu Val Asp Arg Leu Ala Glu
68              180                 185                 190
71 Asn Gly His Asn Val Trp Ala Arg Asp Arg Val Ala Gln Gly Trp Ser
72          195                 200                 205
75 Tyr Ser Ala Val Gln Asp Ile Pro Ala Arg Arg Asn Pro Arg Leu Val
76      210                 215                 220
79 Pro Tyr Arg Leu Leu Asp Glu Ala Thr Lys Arg Ser Asn Arg Asp Ser
80 225                 230                 235                 240
83 Leu Cys Gln Ala Val Arg Thr Leu Leu Gly Tyr Gly Tyr Asn Ile Glu
```

RAW SEQUENCE LISTING   DATE: 09/13/2004
PATENT APPLICATION: US/10/009,013B   TIME: 09:43:16

Input Set : A:\PCT,NO00,00200.ST25.txt
Output Set: N:\CRF4\09132004\J009013B.raw

```
84                    245              250              255
87 Pro Pro Asp Gln Glu Pro Ser Gln Val Glu Asn Gln Ser Arg Trp Asp
88           260              265              270
91 Arg Val Arg Ile Phe Arg Ala Glu Lys Ser Tyr Thr Val Gln Ser Gly
92        275              280              285
95 Arg Trp Tyr Phe Glu Phe Glu Ala Val Thr Thr Gly Glu Met Arg Val
96     290              295              300
99 Gly Trp Ala Arg Pro Glu Leu Arg Pro Asp Val Glu Leu Gly Ala Asp
100 305              310              315              320
103 Glu Leu Ala Tyr Val Phe Asn Gly His Arg Gly Gln Arg Trp His Leu
104              325              330              335
107 Gly Ser Glu Pro Phe Gly Arg Pro Trp Gln Ser Gly Asp Val Val Gly
108           340              345              350
111 Cys Met Ile Asp Leu Thr Glu Asn Thr Ile Ile Phe Thr Leu Asn Gly
112        355              360              365
115 Glu Val Leu Met Ser Asp
116     370
```

119 <210> SEQ ID NO: 2   *see item 10*
120 <211> LENGTH: 348
121 <212> TYPE: PRT
122 <213> ORGANISM: Protein for the detection of ryanodione receptor antibodies
124 <400> SEQUENCE: 2

```
126 Arg Gly Arg Ser Leu Thr Lys Ala Gln Arg Asp Val Ile Glu Asp Cys
127 1              5              10              15
130 Leu Met Ala Leu Cys Arg Tyr Ile Arg Pro Ser Met Leu Gln His Leu
131        20              25              30
134 Leu Arg Arg Leu Val Phe Asp Val Pro Ile Leu Asn Glu Phe Ala Lys
135        35              40              45
138 Met Pro Leu Lys Leu Leu Thr Asn His Tyr Glu Arg Cys Trp Lys Tyr
139     50              55              60
142 Tyr Cys Leu Pro Thr Gly Trp Ala Asn Phe Gly Val Thr Ser Glu Glu
143 65              70              75              80
146 Glu Leu His Leu Thr Arg Lys Leu Phe Trp Gly Ile Phe Asp Ser Leu
147              85              90              95
150 Ala His Lys Lys Tyr Asp Gln Glu Leu Tyr Arg Met Ala Met Pro Cys
151           100              105              110
154 Leu Cys Ala Ile Ala Gly Ala Leu Pro Pro Asp Tyr Val Asp Ala Ser
155.          115              120              125
158 Tyr Ser Ser Lys Ala Glu Lys Lys Ala Thr Val Asp Ala Glu Gly Asn
159     130              135              140
162 Phe Asp Pro Arg Pro Val Glu Thr Leu Asn Val Ile Ile Pro Glu Lys
163 145              150              155              160
166 Leu Asp Ser Phe Ile Asn Lys Phe Ala Glu Tyr Thr His Glu Lys Trp
167              165              170              175
170 Ala Phe Asp Lys Ile Gln Asn Asn Trp Ser Tyr Gly Glu Asn Val Asp
171           180              185              190
174 Glu Glu Leu Lys Thr His Pro Met Leu Arg Pro Tyr Lys Thr Phe Ser
175           195              200              205
178 Glu Lys Asp Lys Glu Ile Tyr Arg Trp Pro Ile Lys Glu Ser Leu Lys
```

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/10/009,013B**

DATE: 09/13/2004
TIME: 09:43:16

Input Set : **A:\PCT,NO00,00200.ST25.txt**
Output Set: **N:\CRF4\09132004\J009013B.raw**

```
179      210                  215                  220
182 Ala Met Ile Ala Trp Glu Trp Thr Ile Glu Lys Ala Arg Glu Gly Glu
183 225                  230                  235                  240
186 Glu Glu Arg Thr Glu Lys Lys Lys Thr Arg Lys Ile Ser Gln Thr Ala
187                  245                  250                  255
190 Gln Thr Tyr Asp Pro Arg Glu Gly Tyr Asn Pro Gln Pro Pro Asp Leu
191                  260                  265                  270
194 Ser Gly Val Thr Leu Ser Arg Glu Leu Gln Ala Met Ala Glu Gln Leu
195                  275                  280                  285
198 Ala Glu Asn Tyr His Asn Thr Trp Gly Arg Lys Lys Lys Gln Glu Leu
199      290                  295                  300
202 Glu Ala Lys Gly Gly Gly Thr His Pro Leu Leu Val Pro Tyr Asp Thr
203 305                  310                  315                  320
206 Leu Thr Ala Lys Glu Lys Ala Arg Asp Arg Glu Lys Ala Gln Glu Leu
207                  325                  330                  335
210 Leu Lys Phe Leu Gln Met Asn Gly Tyr Ala Val Thr
211                  340                  345
```

VERIFICATION SUMMARY　　　　　　　　DATE: 09/13/2004
PATENT APPLICATION:　**US/10/009,013B**　　TIME: 09:43:17

Input Set : **A:\PCT,NO00,00200.ST25.txt**
Output Set: **N:\CRF4\09132004\J009013B.raw**

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date